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## In the Claims:

Please amend claims 1-14 as indicated below. This listing of claims replaces all prior versions.

- 1. (Currently Amended) A method for a predistortion linearization of a branched signal for a RF amplifier, comprising:
- [[-]] supplying an input signal to at least one input terminal (2):
- **[[-]]** distributing the input signal present on the at least one input terminal (2) to a plurality of parallel branch-circuits (16, 18, 20) as branched signals by a power distributing circuit (4);
- [[-]] controlling a phase parameter and/or an amplitude parameter of a first one of the branched signals by at least one nonlinear branch-circuit (18, 20) of the plurality of parallel branch-circuits;
- controlling a phase parameter and an amplitude parameter of a second one of the [[-]]branched signals by at least one linear branch-circuit (16) of the plurality of parallel branch-circuits;
- combining output signals of the at least one nonlinear branch-circuit (18, 20) with [[-]] the output signals of the at least one linear branch-circuit (16) by a power combining circuit (12); and
- providing an a final output signal of a the predistortion unit from the power combining circuit (12) on at least one output terminal (14).
- 2. (Currently Amended) The method of claim 1, wherein the controlling of a phase parameter and/or an amplitude parameter of a first one of the branched signals by at least one nonlinear branch-circuit (18, 20) of the plurality of parallel branch-circuits comprises:
- [[-]]controlling [[a]] the phase parameter of [[a]] the first branched signal using [[by]] at least one phase control unit (6) and/or;
- [[-1]]at least one of controlling [[an]] the amplitude parameter of [[a]] the first branched signal using [[by]] at least one linear amplitude control unit (8) and/or;

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- [[-]]controlling [[an]] the amplitude parameter of [[a]] the first branched signal using [[by]] at least one nonlinear amplitude control unit (10).
- 3. (Currently Amended) The method of claim 1, wherein the controlling of a phase parameter and/or an amplitude parameter of a second one of the [[a]] branched signals by at least one linear branch-circuit (16) of the plurality of parallel branch-circuits comprises:
- at least one of controlling [[a]] the phase variation parameter of [[a]] the second [[-]]branched signal using [[by]] at least one phase control unit (6) and/or;
- controlling [[an]] the amplitude parameter of [[a]] the second branched signal using [[by]] at least one linear amplitude control unit (8).
- 4. (Currently Amended) The method of claim 2, wherein at least one of the at least one linear amplitude control unit (8) and/or the at least one nonlinear amplitude control unit (10) are/is controlled depending on a power level of an input signal.
- 5. (Currently Amended) The method of claim 2, wherein at least one of the at least one linear (8) amplitude control unit and/or the at least one nonlinear amplitude control unit (10) are/is controlled depending on an external adjustable value.
- 6. (Currently Amended) The method of claim 1, wherein the at least one linear branchcircuit (16) amplitude control unit and/or the at least one nonlinear branch-circuit (18, 20) have their/its own specific RF power level from which their/its predistortion of amplitude and/or phase starts, which is defined by an individual nonlinear function.
- 7. (Currently Amended) A method for a predistortion linearization, in particular compensation of temperature of a linearized power module, where a varicap is a controlled element of an AM/AM compensation loop and an amplifier control element for AM/PM compensation, comprising:
- supplying an input signal to at least one input terminal (2); [[-]]

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- [[-]]distributing the input signal present on the at least one input terminal (2) to a plurality of parallel branch-circuits (16, 18, 20) as branched signals by a power distributing circuit;
- [[-]] controlling a phase parameter and/or an amplitude parameter of a first one of the branched signals by at least one nonlinear branch-circuit (18, 20) of the plurality of parallel branch-circuits;
- [[-1]]controlling at least one of a phase parameter and/or an amplitude parameter of a second one of the branched signals by at least one linear branch-circuit (16) of the plurality of parallel branch-circuits;
- combining the an output signal of the at least one nonlinear branch-circuit (18, 20) [[-]] with the an output signal of the at least one linear branch-circuit (16) by a power combining circuit (12); and
- providing a final output signal of the a predistortion unit from the power combining circuit (12) on at least one output terminal (14).
- 8. (Currently Amended) An electronic device comprising a circuit for a predistortion unit linearizing a signal for a RF amplifier, comprising:
- [[-]]at least one input terminal (2) supplying an input signal;
- a power distributing circuit (4) distributing the input signal present on the at least [[-]] one input terminal (2) to a plurality of parallel branch-circuits (16, 18, 20) as branched signals;
- at least one nonlinear branch-circuit (18, 20) of the plurality of parallel branch-[[-]] circuits controlling a phase parameter and/or an amplitude parameter of a first one of the branched signals;
- at least one linear branch-circuit (16) of the plurality of parallel branch-circuits [[-]]controlling at least one of a phase parameter and/or an amplitude parameter of a second one of the branched signals;
- a power combining circuit (12) combining output signals of the at least one [[-]] nonlinear branch-circuit (18, 20) with the output signals of the at least one linear branchcircuit (16); and

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- [[-]] at least one output terminal (14) providing an output signal of the predistortion unit from the power combining circuit (12).
- 9. (Currently Amended) The device of claim 8, wherein the at least one nonlinear branch-circuit (18, 20) comprises:
- [[-]] at least one phase control unit (6) controlling the phase parameter of [[a]] the first branched signal and/or;
- [[-]] at least one linear amplitude control unit (8) controlling the amplitude parameter of [[a]] the first branched signal and/or;
- [[-]] at least one nonlinear amplitude control unit (10) controlling the amplitude parameter of [[a]] the first branched signal.
- 10. (Currently Amended) The device of claim 8, wherein the <u>at least one</u> linear branch-circuit (16) comprises:
- [[-]] at least one phase control unit (6) controlling the phase <u>parameter</u> of [[a]] the second branched signal and/or;
- [[-]] at least one linear amplitude control unit (8) controlling the amplitude <u>parameter</u> of [[a]] the second branched signal.
- 11. (Currently Amended) The device of claim 9, wherein the <u>at least one</u> nonlinear amplitude control unit (10) comprises at least one nonlinear element and at least one amplifier.
- 12. (Currently Amended) The device of claim 10, wherein the <u>at least one</u> linear amplitude control unit (8) [[is]] <u>comprises at least one of</u> a gain control amplifier (280), and/or an attenuator, and/or a resistor, and/or a dissipative transmission line and/or a controllable resistive component.
- 13. (Currently Amended) The device of claim 8, wherein at least one of the at least one linear (16) and/or the at least one nonlinear branch-circuits (18, 20) have a filtering circuit at an output terminal.

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14. (Currently Amended) The device of claim 10 [[8]], wherein the at least one phase control unit comprises at least one transmission line (204) or at least one controlled resistive element (326).

15. (Previously Presented) The device of claim 8, wherein the circuit is integrated with a semiconductor device.